

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042920\
 Data File : VX015969.D
 Acq On : 29 Apr 2020 11:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:41 PM

Quant Time: Apr 30 07:23:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	284628	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	443715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213715	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	179954	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	5.46	113	136018	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.70	98	509067	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.12	95	202528	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.18	85	150770	59.195	ug/l	98
3) Chloromethane	1.31	50	167502	54.264	ug/l	99
4) Vinyl Chloride	1.39	62	194490	55.481	ug/l	99
5) Bromomethane	1.62	94	121059	51.440	ug/l	98
6) Chloroethane	1.71	64	124648	53.455	ug/l	99
7) Trichlorofluoromethane	1.92	101	289717	54.678	ug/l	98
8) Diethyl Ether	2.17	74	114404	51.719	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	149725	56.689	ug/l	99
10) Methyl Iodide	2.49	142	210095	57.023	ug/l	100
11) Tert butyl alcohol	3.01	59	236461	261.763	ug/l	100
12) 1,1-Dichloroethene	2.36	96	148529	54.541	ug/l	98
13) Acrolein	2.27	56	72884	321.049	ug/l	99
14) Allyl chloride	2.70	41	277405	56.493	ug/l	99
15) Acrylonitrile	3.11	53	483519	269.949	ug/l	100
16) Acetone	2.42	43	378405	237.790	ug/l	98
17) Carbon Disulfide	2.55	76	437337	55.074	ug/l	100
18) Methyl Acetate	2.75	43	241931	53.575	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	547929	55.630	ug/l	100
20) Methylene Chloride	2.83	84	166894	52.978	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	163871	53.394	ug/l	98
22) Diisopropyl ether	3.82	45	544229	56.373	ug/l	94
23) Vinyl Acetate	3.78	43	2388048	284.759	ug/l	99
24) 1,1-Dichloroethane	3.67	63	299620	55.713	ug/l	99
25) 2-Butanone	4.63	43	662556	256.930	ug/l	100
26) 2,2-Dichloropropane	4.55	77	288305	58.632	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	187201	53.750	ug/l	97
28) Bromochloromethane	4.98	49	128535	49.391	ug/l	98
29) Tetrahydrofuran	5.09	42	451945	267.424	ug/l	99
30) Chloroform	5.18	83	306591	54.825	ug/l	99
31) Cyclohexane	5.55	56	271198	56.645	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	282351	54.837	ug/l	99
36) 1,1-Dichloropropene	5.77	75	233774	55.317	ug/l	100
37) Ethyl Acetate	4.79	43	271301	55.985	ug/l	99
38) Carbon Tetrachloride	5.75	117	253402	56.768	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	283894	58.075	ug/l	97
40) Benzene	6.11	78	668565	55.444	ug/l	99
41) Methacrylonitrile	5.00	41	147426	56.835	ug/l	98
42) 1,2-Dichloroethane	6.16	62	259353	55.510	ug/l	99
43) Isopropyl Acetate	6.41	43	450237	56.106	ug/l	99
44) Trichloroethene	7.19	130	248335	57.137	ug/l	97
45) 1,2-Dichloropropane	7.49	63	173022	55.520	ug/l	98
46) Dibromomethane	7.63	93	121014	54.649	ug/l	98
47) Bromodichloromethane	7.87	83	254468	57.828	ug/l	99
48) Methyl methacrylate	7.74	41	211651	57.126	ug/l	99
49) 1,4-Dioxane	7.71	88	92275	1058.682	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1364973	280.426	ug/l	100
52) Toluene	8.76	92	433783	56.673	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	298718	57.211	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	304949	56.787	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	171297	56.001	ug/l	99
56) Ethyl methacrylate	9.16	69	287007	57.704	ug/l	99
57) 1,3-Dichloropropane	9.35	76	293689	55.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	685310	266.631	ug/l	99
59) 2-Hexanone	9.47	43	1043872	274.416	ug/l	100
60) Dibromochloromethane	9.57	129	197891	57.801	ug/l	99
61) 1,2-Dibromoethane	9.65	107	187460	56.516	ug/l	100
64) Tetrachloroethene	9.32	164	278200	58.022	ug/l	99
65) Chlorobenzene	10.12	112	469498	57.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	180086	57.881	ug/l	98
67) Ethyl Benzene	10.24	91	846023	57.710	ug/l	99
68) m/p-Xylenes	10.34	106	644963	115.942	ug/l	100
69) o-Xylene	10.68	106	310769	58.841	ug/l	100
70) Styrene	10.70	104	531672	58.668	ug/l	100
71) Bromoform	10.84	173	152660	53.682	ug/l #	99
73) Isopropylbenzene	11.00	105	846484	58.223	ug/l	100
74) N-amyl acetate	10.88	43	399868	57.027	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	146150	43.802	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	254591m	56.771	ug/l	
77) Bromobenzene	11.24	156	212807	56.865	ug/l	99
78) n-propylbenzene	11.34	91	976806	58.405	ug/l	99
79) 2-Chlorotoluene	11.40	91	571368	57.339	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	715557	58.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	109786	57.853	ug/l #	87
82) 4-Chlorotoluene	11.49	91	687744	57.706	ug/l	99
83) tert-Butylbenzene	11.76	119	610102	57.776	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	726874	58.972	ug/l	99
85) sec-Butylbenzene	11.93	105	842094	59.190	ug/l	100
86) p-Isopropyltoluene	12.05	119	795519	59.696	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	384889	56.398	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	382778	55.498	ug/l	99
89) n-Butylbenzene	12.37	91	722705	60.021	ug/l	100
90) Hexachloroethane	12.58	117	137370	58.342	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	364503	55.855	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	64148	53.443	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	271734	55.477	ug/l	97
94) Hexachlorobutadiene	13.77	225	126694	57.893	ug/l	99
95) Naphthalene	13.82	128	865466	56.023	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	264144	56.005	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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